

IN THE CLAIMS

1-18 (canceled)

19. (new) A process for controlled release of liposome contents from a thermolabile liposome, wherein said thermolabile liposome comprises at least one phosphatidylcholine having a main transition temperature in the range from 0 to 80°C and more than 15 to 70% by weight of phosphatidyl-oligoglycerol, wherein the controlled release is performed by a change in temperature.

20. (new) The process as claimed in claim 19, wherein said at least one phosphatidylcholine is selected from the group consisting of 1-palmitoyl-2-olioylglycero-3-phosphocholine, 1-stearoyl-2-olioyl-3-phosphocholine, 1-palmitoyl-2-lauroyl-glycero-3-phosphocholine, 1-behenoyl-2-olioyl-glycero-3-phosphocholine, 1-stearoyl-2-lauroyl-glycero-3-phosphocholine, ,3-dimyristoylglycero-2-phosphocholine, 1,2-dimyristoylglycero-3-phosphocholine, 1-palmitoyl-2-myristoylglycero-3-phosphocholine, 1-stearoyl-2-myristoylglycero-3-phosphocholine, 1-myristoyl-2-palmitoylglycero-3-phosphocholine, 1,3-palmitoylglycero-2-phosphocholine, 1,2-dipalmitoylglycero-3-phosphocholine, 1-myristoyl-2-stearoylglycero-3-phosphocholine, 1-stearoyl-3-myristoylglycero-2-phosphocholine, 1-stearoyl-2-palmitoylglycero-3-phosphocholine, 2-palmitoyl-2-stearoylglycero-3-phosphocholine, 1,3-distearoylglycero-2-phosphocholine, 1,2-di-stearoylglycero-3-phosphocholine, 1,2-di-arachinoylglycero-3-phosphocholine, 1,2-di-behenoylglycero-3-phosphocholine and 1,2-dilignoceroylglycero-3-phosphocholine.

21. (new) The process as claimed in claim 19, wherein said phosphatidyloligoglycerol is dipalmitoylphosphoglyceroglycerol.

22. (new) The process as claimed in claim 19, wherein said thermolabile liposome comprises from 20 to 75% of dipalmitoyl-phosphatidylcholine from 10 to 25% of distearoylphosphatidylcholine and more than 15 to 50% of dipalmitoylphosphoglyceroglycerol.

23. (new) The process as claimed in claim 19, wherein said thermolabile liposome further comprises up to 15% of at least one alkylphosphocholine.

24. (new) The process as claimed in claim 23, wherein said thermolabile liposome comprises 10 to 15% of at least one of hexadecylphosphocholine or oleoylphosphocholine.

25. (new) The process as claimed in claim 19, wherein said thermolabile liposome contains no cholesterol.

26. (new) The process as claimed in claim 19, wherein said thermolabile liposome further comprises an active compound or a labelling substance.

27. (new) The process as claimed in claim 20, wherein said phosphatidyloligoglycerol is dipalmitoylphosphoglyceroglycerol.

28. (new) The process as claimed in claim 23, wherein said thermolabile liposome comprises 10 to 15% of ether lysolecithin.